

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Previously Presented) A method of selectively repairing the lining of a lined pipeline in situ, said method involving the utilisation of a conveyance adapted to be receivable within the pipeline, said conveyance being adapted to be able to travel through the pipeline, said conveyance comprising an inspection means, an excising means, a debris removal means and an application means, said method comprising introducing said conveyance into the pipeline, said method further comprising: an inspection step which comprises causing the conveyance to travel along the length of the pipeline; inspecting the surface of the lining and identifying and locating damaged portions of the lining at locations along the pipeline; an excising step comprising moving said conveyance along the pipeline and at the locations identified by the inspection step excising the damaged portions of the lining from the pipeline; a debris removal step comprising causing said conveyance to travel along said length of the pipeline to remove the debris left in the pipeline by the excising step; and an application step comprising causing said conveyance to travel along the said length of the pipeline and applying a fresh lining composition onto the lining to replace the excised portions of lining removed by the excising step.
2. (Original) A method of selectively repairing the lining of a lined pipeline as claimed at claim 1 which further comprises cutting a length of pipe from the pipeline at a position to provide a gap in the pipeline at the location, locating a support tray between the opposed ends of the remaining pipeline to span the lower portion of the gap and to provide a continuation of the lower surface of the pipeline across the gap.
3. (Cancelled)
4. (Cancelled)

5. (Previously Presented) A method of selectively repairing the lining of a lined pipeline as claimed at claim 1 wherein said conveyance means comprises a plurality of self propelled and self powered vehicles which comprise: at least one inspection vehicle for said inspection step; an excising vehicle for said excising step; at least one removal vehicle for said removal of debris step; and at least one application vehicle for said application step.
6. (Original) A method of selectively repairing the lining of a lined pipeline as claimed at claim 5 wherein at least some of the vehicles are operated remotely.
7. (Cancelled)
8. (Cancelled)
9. (Cancelled)
10. (Cancelled)
11. (Cancelled)
12. (Previously Presented) A method of selectively repairing the lining of a lined pipeline as claimed at claim 1 wherein said inspection step comprises causing the inspection vehicle to travel along the interior of the pipeline and during such travel inspecting the lining within the pipeline, identifying locations of damaged or deteriorated lining.
13. (Original) A method of selectively repairing the lining of a lined pipeline as claimed at claim 12 wherein the inspection step is conducted remotely and a log is maintained to record the position of said locations in the pipeline and the type of damage.
14. (Cancelled)
15. (Previously Presented) A method of selectively repairing the lining of a lined pipeline as claimed at claim 1 wherein said excising step comprises utilisation of a nozzle connected to a source of high pressure fluid whereby said nozzle is able to be moved to direct a jet of said high pressure fluid over the surface of the lining, said remotely controlled nozzle being supported from the excising vehicle, said method causing the excising vehicle to travel along the interior of the pipeline and during such travel causing the nozzle to direct said jet of said

high pressure fluid onto the lining at the locations in order to remove the lining at said locations.

16. (Original) A method of selectively repairing the lining of a lined pipeline as claimed at claim 15 wherein the excising vehicle is associated with a remote control station which is provided with a display means and controls to enable the remote operation of the vehicle and the nozzle from the control station by an operator.
17. (Previously Presented) A method of selectively repairing the lining of a lined pipeline as claimed at claim 1 wherein said debris removal step comprises causing a removal vehicle to travel along the interior of the pipeline and causing the removal vehicle to collect debris from the interior of the pipeline as it travels.
18. (Original) A method of selectively repairing the lining of a lined pipeline as claimed at claim 17 wherein the removal step initially comprises causing a primary removal vehicle to travel along the interior of the pipeline, scooping said large items from the pipeline as it travels along the pipeline and conveying the items into a hopper associated with the primary removal vehicle.
19. (Previously Presented) A method of selectively repairing the lining of a lined pipeline as claimed at claim 18 wherein said debris removal step further comprises causing a secondary removal vehicle to travel along the interior of the pipeline and causing the secondary removal vehicle to brush the surface of the pipeline to extract smaller items of debris from the pipeline.
20. (Previously Presented) A method of selectively repairing the lining of a lined pipeline as claimed at claim 19 wherein said debris removal step further comprises causing a tertiary removal vehicle to travel along the interior of the pipeline and causing the tertiary removal vehicle to wash and vacuum fine debris and water from the pipeline.
21. (Previously Presented) A method of selectively repairing the lining of a lined pipeline as claimed at claim 1 wherein said application step comprises causing the application vehicle to travel along the length of the pipeline and causing the application vehicle to applying the fresh lining composition to the locations at which the lining has been excised.

22. (Cancelled)

23. (Cancelled)

24. (Previously Presented) A method of selectively repairing the lining of a lined pipeline as claimed at claim 21 wherein the method further comprises the delivery of lining composition to the application vehicle during the application of the lining composition to the pipeline.

25. (Cancelled)

26. (Cancelled)

27. (Cancelled)

28. (Previously Presented) A conveyance for use in the selective in-situ refurbishment of the lining of a lined pipeline according to the method described above, said conveyance comprising a plurality of wheeled vehicles, the wheels intended in use to be supported directly from the lower portion of the inner face of the pipeline, each vehicle having a drive drivingly connected to the wheels to enable the vehicle to be capable of independently travelling along the pipeline for the purposes of inspection, excising damaged lining, removal of debris and application of a fresh lining composition, each of said vehicles being configured such that when in use centre of gravity of the vehicle when supported from the lower portion of the pipeline is below the central longitudinal axis of the pipeline.

29. (Previously Presented) A conveyance for use in the selective refurbishment of the lining of a lined pipeline as claimed at claim 28 wherein the vehicles comprise: an inspection vehicle for said inspection step; an excising vehicle for said excising step; at least one removal vehicle for said removal of debris step; and at least one application vehicle for said application step.

30. (Original) A conveyance for use in the selective refurbishment of the lining of a lined pipeline as claimed at claim 29 wherein at least some of the vehicles are adapted to be operated remotely.

31. (Cancelled)

32. (Previously Presented) A conveyance for use in the selective refurbishment of the lining of a lined pipeline as claimed at claim 29 wherein at least one of the vehicles is provided with a

support to enable the operator to be supported by the vehicle and is adapted to be operated by an operator in-situ in the pipeline and the vehicle incorporates controls operable by the operator to effect at least some of the operations of the vehicle.

33. (Original) A conveyance for use in the selective refurbishment of the lining of a lined pipeline as claimed at claim 32 wherein the at least one vehicle is associated with an operator trolley which provides said support to enable the operator to be supported by the vehicle and said controls.
34. (Previously Presented) A conveyance for use in the selective refurbishment of the lining of a lined pipeline as claimed at claim 32 wherein the operator trolley is associated with an operator vehicle which is coupled to the at least one vehicle wherein the operator vehicle is provided with a support to enable the operator to be supported by the operator vehicle.
35. (Original) A conveyance for use in the selective refurbishment of the lining of a lined pipeline as claimed at claim 34 wherein the operator vehicle is provided with the controls.
36. (Previously Presented) A conveyance for use in the selective refurbishment of the lining of a lined pipeline as claimed at claim 29 wherein the inspection vehicle incorporates an illumination means and a viewing means which comprises at least one camera adapted to facilitate inspection of the lining of the pipeline remotely.
37. (Previously Presented) A conveyance for use in the selective refurbishment of the lining of a lined pipeline as claimed at claim 29 wherein the excising vehicle accommodates a nozzle which is supported to be capable of rotation about a longitudinal axis of said pipeline whereby said nozzle is adapted to be able to direct a stream of high pressured fluid onto the lining to remove the lining from the pipe interior.
38. (Previously Presented) A conveyance for use in the selective refurbishment of the lining of a lined pipeline as claimed at claim 30 wherein the excising vehicle is associated with a remote control station which is provided with a display means and controls to enable the remote operation of the vehicle and the nozzle from the control station by an operator.
39. (Original) A conveyance for use in the selective refurbishment of the lining of a lined pipeline as claimed at claim 38 wherein the excising vehicle is associated with a delivery

conduit for said high pressure fluid and an umbilical providing connection between the control station and the excising vehicle.

40. (Currently Amended) A conveyance for use in the selective refurbishment of the lining of a lined pipeline as claimed at claim 39 wherein the excising vehicle further comprises an illumination means and a viewing means comprising at least one camera to facilitate remote inspection of the location being subjected to the action of said ~~steam-stream~~ of high pressure fluid.
41. (Previously Presented) A conveyance for use in the selective refurbishment of the lining of a lined pipeline as claimed at claim 40 wherein the high pressure stream of fluid incorporates abrasive particles.
42. (Previously Presented) A conveyance for use in the selective refurbishment of the lining of a lined pipeline as claimed at claim 41 wherein the orientation of the stream to the surface of the pipeline can be adjusted to effect various degrees of wash.
43. (Previously Presented) A conveyance for use in the selective refurbishment of the lining of a lined pipeline as claimed at claim 37 wherein the excising vehicle incorporates a second nozzle which is directed onto the lower portion of the pipeline forward of the vehicle, wherein the second nozzle generates a jet of fluid having a transverse extent.
44. (Previously Presented) A conveyance for use in the selective refurbishment of the lining of a lined pipeline as claimed at claim 29 wherein the debris removal vehicle is adapted to travel along the pipeline and collect the debris generated by the excising step from the pipeline wherein the vehicle is adapted to remove large and small items of debris and/or water from the pipeline.
45. (Original) A conveyance for use in the selective refurbishment of the lining of a lined pipeline as claimed at claim 44 wherein the debris removal vehicle comprises a plurality of vehicles comprising a primary removal vehicle a secondary removal vehicle and a tertiary vehicle.
46. (Cancelled)

47. (Previously Presented) A conveyance for use in the selective refurbishment of the lining of a lined pipeline as claimed at claim 45 wherein the primary removal vehicle comprises a scooping means, a conveying means and a hopper said scooping means being adapted to scoop larger items of debris from the pipeline, the conveying means being adapted to convey the items from the scooping means to the hopper.

48. (Previously Presented) A conveyance for use in the selective refurbishment of the lining of a lined pipeline as claimed at claim 47 wherein the secondary removal vehicle comprises a brushing means, a vacuum extraction means and a hopper, said brushing means being adapted to brush the lower surface of the pipeline, the vacuum extraction means being adapted to convey the debris dislodged by the brush and/or residual water to the hopper.

49. (Previously Presented) A conveyance for use in the selective refurbishment of the lining of a lined pipeline as claimed at claim 48 wherein the tertiary removal vehicle comprises a washing means, a vacuum extraction means and a hopper, said washing means being adapted to wash debris from the surface of the pipeline, the vacuum extraction means being adapted to convey the debris and/or water to the hopper.

50. (Previously Presented) A conveyance for use in the selective refurbishment of the lining of a lined pipeline as at claim 44 wherein the debris removal vehicle comprises a single vehicle incorporating scooping means, a brushing means, a washing means, a conveying means, a vacuum extraction means and a hopper, said scooping means being adapted to scoop larger items of debris from the pipeline, the conveying means adapted to convey the items to the hopper, the brushing means adapted to brush the lower surface of the pipeline, the washing means adapted to wash fine materials from the surface of the pipeline, the vacuum extraction means associated with the brushing means and washing means to convey materials dislodged by the brushing means and the washing means to the hopper.

51. (Previously Presented) A conveyance for use in the selective refurbishment of the lining of a lined pipeline as claim 29 wherein the application vehicle comprises a hopper adapted to accommodate a quantity of said lining composition, a pump means for pumping said lining composition, an outlet which is capable of directing said lining composition onto the surface of the pipeline.

52. (Original) A conveyance for use in the selective refurbishment of the lining of a lined pipeline as claimed at claim 51 wherein a delivery means is provided between the hopper and the pump and the delivery means is adapted to deliver the lining composition to the pump.

53. (Previously Presented) A conveyance for use in the selective refurbishment of the lining of a lined pipeline as claimed at claim 52 wherein the application vehicle is associated with a delivery vehicle having a hopper and a conveying means whereby said delivery vehicle can be brought into abutting relationship with the fourth vehicle whereby the conveying means can deliver lining composition from the hopper of the delivery vehicle to the hopper of the application vehicle.

54. (Cancelled)

55. (Previously Presented) A conveyance for use in the selective refurbishment of the lining of a lined pipeline as claimed at claim 29 wherein the inspection vehicle and excising vehicle comprise a single vehicle.

56. (Cancelled)